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# ANNUAL REPORT

OF

# THE FIRE MARSHAL

FOR THE PROVINCE OF

# NEW BRUNSWICK

STATISTICS, 1970

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TO HIS HONOUR

THE HONOURABLE WALLACE S. BIRD

Lieutenant-Governor of the Province of New Brunswick

May it please Your Honour:

I have the honour to submit herewith The Annual Report of The Fire Marshal, Province of New Brunswick, for the calendar year ended December 31, 1970.

I have the honour to be,
Sir,

Your obedient servant,

J. B. M. BAXTER, Q.C.

Minister of Justice

HONOURABLE J. B. M. BAXTER, Q.C.

Minister of Justice

Province of New Brunswick

Sir:

Pursuant to Section 5, Fire Prevention Act R.S.N.B., Chapter 86, 1952 I have the honour to submit the Annual Report of the Fire Marshal for the year ending December 31, 1970.

The recorded fire losses in New Brunswick, compiled from reports received up to February 15, 1971 are placed at $4,433,527, total fires 1,261 as compared with a loss of $4,153,419 and 1,280 in 1969, an increase of $280,108 in the monetary loss, a decrease of 19 in the number of fires, an increase of $152,122 in the insurance loss and an increase of $127,986 in the uninsured loss.

Municipalities are as previously shown with newly incorporated villages that were in existence at the beginning of the year shown separately. Those incorporated during 1970 will be shown separate in our 1971 report. The number of cities and towns remain the same i/e six cities, 21 towns.

The breakdown of losses by cities, towns, villages and rural areas (counties) is clearly shown in Table No. 1. The per capita loss, provincial, city, town and rural is shown in Table No. 6. We are still unable to accurately break down the per capita loss for villages due to various and different stages of incorporation. The per capita loss of the villages is, therefore, included in the rural figures. It may be possible to do this later if felt desirable.

Table No. 1 — Fire and losses by location or place
Table No. 2 — Analysis of causes
Table No. 3 — Property Classification
Table No. 4 — Summary of causes and occupancies
Table No. 5 — Comparable losses years 1968, 1969, 1970
Table No. 6 — Municipal per capita losses
Table No. 7 — Ten year loss figures
Table No. 8 — Major fires $20,000 and over
Table No. 9 — Petty losses $25.00 or less
Table No. 10 — Fatalities and persons injured
Table No. 11 — Summary of inspections by counties

The report also contains summary of other work carried on by this office during the year broken down into divisions as near as it is possible to do so, however, all phases of our work have steadily increased with many added duties and responsibilities. This increase is most evident in the work that we are now required to perform for other provincial government departments i/e the Department of Youth & Welfare, Department of Municipal Affairs, Provincial Secretary, Public Works, Labour, Education etc., it is difficult to give more than a summation of this work in this report. It is very evident that public interest and cooperation in the important field of fire prevention and control is increasing each year.

During the year particular attention was given to fire prevention education in all its various phases, emphasis was placed on the youth of our province in an effort to bring home to them the importance of fire prevention. As part of this program eleven baby sitting courses were held with a total attendance of 525. One particular course at Oromocto had an attendance of 263, 52 of these being boys. This is believed to be the largest baby sitting course ever held in Canada and the results of these courses cannot be over emphasized and the interest shown by our youth in the type of training they receive. The interest of the public in fire prevention education is quite evident in the increased number of requests we receive for literature and the use of our film library and other educational and promotional work which we are able to perform.

Plans were made in 1969 for the setting up of a fire investigation section within our branch and I am pleased to report that these plans were carried out and the investigation section set up in January of this year. This section is under the supervision of a highly trained and capable member of our staff and is proving to be of great benefit in all aspects of the fire investigation field, particularly where arson or incendiarism is suspected. This section is also responsible for the keeping of all records in connection with suspected or incendiary fires and cooperating with the civil authorities in their fire investigation work.

Although the various tables in this report contain information relative to the particular segment of the report they cover, I would draw your attention to Table No. 10 covering fatalities whereby it will be noticed that ten more persons died as the result of fires during 1970 than for the same period in 1969. It is most unfortunate that a number of these were children who were left alone or unattended by their parents. I cannot speak too strongly against this practise and in all cases where there is sufficient evidence to support such action we recommend the laying of criminal charges against those responsible in an effort to eliminate this crime and the useless loss of child life that results from criminal neglect of this nature. We would also mention that we are becoming very conscious of the part excessive use of alcoholic beverages play as a contributing factor to fire fatalities in this province.

During the year the following special projects were undertaken and successfully completed:

(a) Several regional training schools for firemen were held at various places throughout the province.

(b) The first French language training school was held in Edmundston from June 16 - 19 inclusive. This was well attended and well received by the fire departments in the French speaking areas of our province.

(c) A French language firemen's training manual was developed and produced.

(d) A fire officials conference was held on April 17 - 18 at Fredericton, which was well attended.

(e) A Royal Canadian Humane Association silver medal, their second highest award for bravery, was presented to Curtis Brown of Seal Cove, Grand Manan Island, N.B. at Grand Harbour, N.B. on April 30, 1970 in recognition of his bravery in saving the life of a child from a fire, which occurred at Seal Cove, N.B. on May 1, 1969.

(f) Fire Prevention Bylaws for use by municipalities were drafted and approved by the Departments of Justice and Municipal Affairs for use throughout the province in accordance with Section 109 of the Municipalities Act.

Once again we have adopted the attitude that regional training school, now both in French and English, are more beneficial to the fire departments of this province than one provincial school, however, during 1971 a special conference will be held at Fredericton dealing with the provisions of the National Building Code and its use throughout the province and the second fire officials conference is now being planned for early in 1972.

Staff changes during the year consisted of the addition of one Deputy Fire Marshal Grade I (Investigations) and a change in personnel of one of our clerical staff due to promotion and transfer of one of our clerical staff members to another position within the Civil Service.

Like all other government departments or branches, there is considerable change and a noted increase in our work load, for instance, although some aspects of our work may show a slight decrease, others show a marked increase. This is particularly evidenced in the amount of work we are called upon to perform for other government departments, particularly the Department of Youth & Welfare, Municipal Affairs, Public Works, Education, Provincial Secretary etc. This work, however, is all very important and essential to the safety and well-being of our citizens and we welcome the opportunity to cooprating with all other government departments and agencies in this respect.

Recommendations have been submitted for the opening of our fifth branch office at either Woodstock or Hartland to serve the Central Saint John River area, also for adjustments and increase in our clerical staff at this headquarters to handle the ever increasing workload which we are called upon to perform.

Once again we have been most fortunate in that no fires of any serious consequence occurred in institutional buildings, hospitals, homes for the aged, nursing homes, boarding homes for children etc. These places of public assembly and/or sleeping accommodation receive and will continue to receive special attention. As a study of the various tables in this report will indicate, there has been nothing new in the cause of fires and as usual most fires occur in homes and most fire deaths occur in homes with children being the unfortunate victims, which in far too many cases is nothing but carelessness and neglect. Our educational programs, must, therefore, be aimed at the home and parents and all those responsible for

the safety of children, bearing in mind that the home is outside the jurisdiction of actual statutory control such as now exercised over places of public assembly and sleeping accommodation etc.

We are convinced that safety campaigns can work; but only with the support of the public and without public participation and interest no such work will succeed. It would appear that from the increase in our work we are receiving public interest and support in this particular safety fields; but more is needed if we are to further reduce our fire losses and the unfortunate loss of life from fire.

In conclusion, Sir, I wish to express appreciation of the support and co-operation received from all Government Departments, Insurance Companies, Insurance Adjusters, the Royal Canadian Mounted Police and Municipal Police Forces, the Fire Underwriters Investigation Bureau, the New Brunswick Board of Underwriters and all others with whom we have the pleasure to work. The splendid co-operative relations existing between this department and all Fire Chiefs and members of this department continued throughout the year. To my loyal and efficient staff I extend my sincere thanks for a job well done. We look back on a year of accomplishment and look forward to a year of still greater effort in all the many and varied duties we perform.

I have the honour to be
Sir,

Your Obedient Servant,

E. J. STURGEON

Fire Marshal

Fredericton, N.B.
February 23, 1971

## STATEMENT 1

Showing the NUMBER OF FIRES in the Province of New Brunswick, with the ESTIMATED AMOUNTS OF LOSSES SUFFERED AND AMOUNTS COVERED BY INSURANCE for the year 1970

| COUNTY | No. of Fires | $ Loss | Insurance $ Loss | Uninsured $ Loss |
|---|---|---|---|---|
| ALBERT COUNTY | 6 | $ 7,160 | $ 6,126 | $ 1,034 |
| Alma | | | | |
| Bridgedale | | | | |
| Gunningsville | 1 | 35 | 35 | |
| Hillsboro | 1 | 45 | 45 | |
| Riverside-Albert | | | | |
| Riverview Heights | 5 | 496 | 496 | |
| Surrey | 1 | 698 | 698 | |
| CARLETON COUNTY | 21 | 146,902 | 130,752 | 16,150 |
| Bath | 2 | 3,019 | 3,019 | |
| Bristol | 1 | 46,865 | 46,865 | |
| Centreville | 5 | 126,585 | 110,478 | 16,107 |
| Florenceville | 2 | 2,272 | 1,530 | 742 |
| Hartland | 3 | 4,847 | 4,600 | 247 |
| Woodstock | 9 | 24,994 | 20,478 | 4,516 |
| CHARLOTTE COUNTY | 25 | 79,274 | 55,724 | 23,550 |
| Milltown | 8 | 14,108 | 13,658 | 450 |
| North Head | | | | |
| St. Andrews | 2 | 707 | 707 | |
| St. George | | | | |
| St. Stephen | 4 | 3,241 | 3,241 | |
| Seal Cove | | | | |
| Black's Harbour | 1 | 10,000 | 10,000 | |
| GLOUCESTER COUNTY | 25 | 116,329 | 83,193 | 33,136 |
| Bathurst | 36 | 38,328 | 28,267 | 10,061 |
| Caraquet | | | | |
| Grand Anse | 7 | 1,236 | 1,236 | |
| Lameque | 3 | 849 | 849 | |
| Lower Caraquet | | | | |
| Paquetville | | | | |
| Petit Rocher | 2 | 601 | 601 | |
| Pointe Verte | | | | |
| Shippegan | 9 | 111,914 | 103,414 | 8,500 |
| Tracadie | 11 | 15,530 | 8,530 | 7,000 |
| Belledune | 1 | 1,000 | 1,000 | |
| KENT COUNTY | 10 | 32,603 | 32,603 | |
| Buctouche | 2 | 3,882 | 3,882 | |
| Harcourt | 1 | 4,776 | 2,000 | 2,776 |
| Rexton | | | | |
| Richibucto | 6 | 891 | 809 | 82 |
| St. Anthony | 3 | 187 | 187 | |
| St. Louis de Kent | 1 | 80 | 80 | |
| KINGS COUNTY | 8 | 46,609 | 27,072 | 19,537 |
| Apohaqui | | | | |
| East Riverside-Kinghurst | 2 | 234 | 234 | |
| Fair Vale | 2 | 588 | 588 | |
| Gondola Point | | | | |
| Hampton | 2 | 3,194 | 1,694 | 1,500 |
| Havelock | 2 | 80 | 80 | |
| Norton | | | | |
| Pamdenac | 1 | 210 | 210 | |
| Penobsquis | | | | |
| Quispamsis | 1 | 40 | 40 | |
| Renforth | 1 | 50 | 50 | |
| Rothesay | 1 | 13,530 | 13,530 | |
| Sussex | 19 | 57,890 | 47,190 | 10,700 |
| Sussex Corner | 2 | 131 | 131 | |
| Westfield | | | | |
| TOTALS FORWARD | 255 | 922,010 | 765,922 | 156,088 |

## STATEMENT 1—(Continued)

Showing the NUMBER OF FIRES in the Province of New Brunswick, with the ESTIMATED AMOUNTS OF LOSSES SUFFERED AND AMOUNTS COVERED BY INSURANCE for the year 1970

| COUNTY | No. of Fires | $ Loss | Insurance $ Loss | Uninsured $ Loss |
|---|---|---|---|---|
| BROUGHT FORWARD | 255 | 922,010 | 765,922 | 156,088 |
| MADAWASKA COUNTY | 37 | 233,580 | 207,092 | 26,488 |
| Clair | 11 | 4,723 | 4,723 | |
| Edmundston | 107 | 13,431 | 13,406 | 25 |
| Riviere Verte | 3 | 758 | 758 | |
| Ste. Anne de Madawaska | 7 | 1,551 | 1,551 | |
| St. Basile | 12 | 23,076 | 8,812 | 14,264 |
| St. Francois de Madawaska | 2 | 123 | 123 | |
| St. Jacques | 7 | 794 | 794 | |
| St. Leonard | 14 | 33,526 | 24,699 | 8,827 |
| Baker Lake | 4 | 495 | 495 | |
| Baker Brook | 1 | 8 | 8 | |
| St. Hilaire | 1 | 32 | 32 | |
| St. Andre | 3 | 117 | 117 | |
| NORTHUMBERLAND COUNTY | 22 | 33,948 | 19,188 | 14,760 |
| Blackville | 1 | 85 | 85 | |
| Boiestown | 1 | 55 | 55 | |
| Chatham | 16 | 44,679 | 38,679 | 6,000 |
| Doaktown | 1 | 81 | 81 | |
| Douglastown | 4 | 3,254 | 3,254 | |
| Loggieville | 2 | 287 | 287 | |
| Millerton | 2 | 2,854 | 2,854 | |
| Nelson and Chatham Head | 2 | 212 | 212 | |
| Newcastle | 20 | 34,629 | 26,844 | 7,785 |
| Rogersville | 1 | 85,000 | 75,000 | 10,000 |
| QUEENS COUNTY | 14 | 59,489 | 29,425 | 30,064 |
| Cambridge-Narrows | | | | |
| Chipman | 13 | 41,315 | 38,415 | 2,900 |
| Gagetown | 3 | 20,139 | 9,139 | 11,000 |
| RESTIGOUCHE COUNTY | 25 | 174,859 | 97,998 | 76,861 |
| Atholville | 3 | 2,029 | 2,029 | |
| Campbellton | 8 | 182,811 | 182,811 | |
| Colborne (Charlo) | 3 | 24,376 | 24,376 | |
| Dalhousie | 9 | 28,934 | 28,495 | 439 |
| Eel River Crossing | 5 | 18,381 | 17,646 | 735 |
| Jacquet River | 1 | 4,000 | 4,000 | |
| Kedgwick | 1 | 472 | 472 | |
| St. Quentin | 5 | 7,429 | 7,429 | |
| Tide Head | 1 | 928 | 928 | |
| SUNBURY COUNTY | 15 | 36,556 | 25,653 | 10,903 |
| Fredericton Junction | | | | |
| Minto | 4 | 17,880 | 17,880 | |
| Oromocto | 5 | 5,645 | 5,645 | |
| Tracy | | | | |
| SAINT JOHN COUNTY | 1 | 226 | 226 | |
| Saint John City | 124 | 386,223 | 325,811 | 60,412 |
| St. Martins | 2 | 5,075 | 2,075 | 3,000 |
| VICTORIA COUNTY | 44 | 200,395 | 143,489 | 56,906 |
| Grand Falls | 63 | 40,629 | 34,671 | 5,958 |
| Perth-Andover | 7 | 13,060 | 12,959 | 101 |
| Plaster Rock | 3 | 11,894 | 9,545 | 2,349 |
| Drummond | 5 | 85,892 | 73,914 | 11,978 |
| TOTALS FORWARD | 900 | 2,807,945 | 2,290,102 | 517,843 |

## STATEMENT 1—(Continued)

Showing the NUMBER OF FIRES in the Province of New Brunswick, with the ESTIMATED AMOUNTS OF LOSSES SUFFERED AND AMOUNTS COVERED BY INSURANCE for the year 1970

| COUNTY | No. of Fires | $ Loss | Insurance $ Loss | Uninsured $ Loss |
|---|---|---|---|---|
| BROUGHT FORWARD | 900 | 2,807,945 | 2,290,102 | 517,843 |
| WESTMORLAND COUNTY | 20 | 45,044 | 28,224 | 16,820 |
| Chartersville | | | | |
| Dieppe | 5 | 10,191 | 9,608 | 583 |
| Dorchester | 4 | 4,096 | 2,096 | 2,000 |
| East Shediac | | | | |
| Lewisville | 4 | 179 | 179 | |
| Memramcook | | | | |
| Moncton | 118 | 112,034 | 106,391 | 5,643 |
| Petitcodiac | | | | |
| Point du Chene | 2 | 324 | 324 | |
| Port Elgin | | | | |
| Sackville | 1 | 3,837 | 3,837 | |
| St. Anselme | | | | |
| St. Joseph | | | | |
| Salisbury | | | | |
| Shediac | 12 | 5,291 | 5,291 | |
| YORK COUNTY | 52 | 549,590 | 430,107 | 119,483 |
| Barker's Point | 1 | 953 | 953 | |
| Canterbury | 3 | 18,075 | 7,575 | 10,500 |
| Fredericton | 102 | 855,260 | 774,351 | 80,909 |
| Harvey | 2 | 898 | 898 | |
| Marysville | 12 | 13,480 | 12,930 | 550 |
| McAdam | 1 | 238 | 238 | |
| Meductic | | | | |
| Millville | 3 | 521 | 521 | |
| Napadogan | | | | |
| Nashwaaksis | 16 | 2,916 | 2,916 | |
| Stanley | 3 | 2,655 | 2,655 | |
| TOTALS | 1,261 | $4,433,527 | $3,679,196 | $ 754,331 |

## STATEMENT II

ANALYSIS OF CAUSES OF FIRES for the Year 1970

| Class No. | CAUSE | No. of Fires | Amount of $ Loss | Insurance $ Loss | Uninsured $ Loss |
|---|---|---|---|---|---|
| | **ELECTRICAL** | | | | |
| 1. | Appliances | 110 | 319,208 | 29,915 | 27,293 |
| 2. | Exposure to Applicance (Clothing) | | | | |
| 3. | Batteries and Battery Charges | | | | |
| 4. | Improper Entrances (Power Surges, etc.) | | | | |
| 5. | Overloaded Circuits, Wiring, etc. | 90 | 1,421,362 | 1,200,923 | 220,439 |
| 6. | Television and Radio | 25 | 2,286 | 2,286 | |
| 7. | Miscellaneous | | | | |
| 8. | Lightning (Buildings Rodded) | | | | |
| 9. | Lightning (Buildings not Rodded) | 98 | 74,705 | 52,355 | 22,350 |
| | **EXPOSURE** | | | | |
| 10. | From Adjacent Buildings | 2 | 419,291 | 350,955 | 68,336 |
| 11. | From Grass Fires, Bonfires, etc. | 16 | 39,340 | 28,890 | 10,450 |
| 12. | From Forest Fires | | | | |
| 13. | Miscellaneous | 10 | 987 | 987 | |
| | **EXPLOSIONS** | | | | |
| 14. | Fire Crackers, Sparklers, etc. | | | | |
| 15. | Tar, Pitch, Paint, Varnish | | | | |
| 16. | Dynamite, Gun Powder, etc | 1 | 4,776 | 2,000 | 2,776 |
| | **HEATING EQUIPMENT & INSTALLATIONS** | | | | |
| 17. | Chimneys, Flues, Pipes, etc. | 66 | 91,366 | 78,252 | 13,114 |
| 18. | Exposure to (Clothing, etc.) | 5 | 613 | 613 | |
| 19. | Fire Places | 14 | 16,915 | 16,840 | 75 |
| 20. | Insufficient Insulation | | | | |
| 21. | Natural & Artificial Gas Stoves | 99 | 421,581 | 358,069 | 63,521 |
| 22. | Oil Burning Equipment | | | | |
| 23. | Salamanders | 4 | 8,868 | 7,368 | 1,500 |
| 24. | Stoves, Furnaces, etc. (Solid Fuel) | 1 | 35 | 35 | |
| 25. | Steam and Hot Water Pipes | 3 | 968 | 568 | 400 |
| 26. | Sparks on Roofs | 7 | 5,795 | 3,795 | 2,000 |
| 27. | Miscellaneous | | | | |
| | **INCENDIARISM** | 7 | 55,741 | 42,024 | 13,717 |
| 28. | Indictable Offences | 2 | 6,664 | 4,736 | 1,928 |
| 29. | Mischief (not amounting to arson) | | | | |
| | **OVERHEATING and DISPOSAL** | 8 | 9,929 | 5,648 | 4,281 |
| 30. | Ashes, Rubbish, etc. | 8 | 4,653 | 4,552 | 101 |
| 31. | Cooking Utensils | 2 | 560 | 560 | |
| 32. | Friction | 85 | 117,770 | 85,976 | 31,794 |
| 33. | Grease, Oil, Wax, etc. | | | | |
| 34. | Hot and Molten Metal | 11 | 80,411 | 58,854 | 21,557 |
| 35. | Spontaneous Ignition | | | | |
| | **PETROLEUM PRODUCTS** | 4 | 4,339 | 4,339 | |
| 36. | Blow Torches and Welding Torches | | | | |
| 37. | Cleaning Purposes | 1 | 94 | 94 | |
| 38. | Gas Installations and Piping | 2 | 31,353 | 17,753 | 13,600 |
| 39. | Gasoline Motors | | | | |
| 40. | Gases in Storage or in Transit | 4 | 7,965 | 7,465 | 500 |
| 41. | Improper Handling and Storage | 5 | 1,571 | 1,571 | |
| 42. | Lamps, Candles, etc. | | | | |
| 43. | Lighting fire with | | | | |
| 44. | Paint and Varnish (Overheated) | 2 | 886 | 886 | |
| 45. | Portable Gasoline and Gas Stoves | 3 | 577 | 577 | |
| 46. | Miscellaneous | | | | |
| | **SMOKING and MATCHES** | 18 | 29,883 | 20,883 | 9,000 |
| 47. | Children Playing with Matches | | | | |
| 48. | Careless Handling of Matches | 18 | 11,311 | 11,311 | |
| 49. | Smoking in Bed | 361 | 147,139 | 137,171 | 9,968 |
| 50. | Other Smokers Carelessness | | | | |
| | **UNKNOWN** | 22 | 77,463 | 58,867 | 18,596 |
| 51. | Intruders | 132 | 992,313 | 803,618 | 188,695 |
| 52. | Other Unknown | | | | |
| 53. | **MISCELLANEOUS** | 1 | 400 | 400 | |
| 54. | Mischievous Acts of Children | 14 | 24,409 | 16,060 | 8,349 |
| | TOTAL | 1,261 | $4,433,527 | $3,679,196 | $ 754,331 |

## STATEMENT III

CLASSIFICATION of PROPERTIES DAMAGED by FIRE for the Year 1970

| Class No. | CLASS OF PROPERTY | No. of Fires | Amount of $ Loss | Insurance $ Loss | Uninsured $ Loss |
|---|---|---|---|---|---|
| | **ASSEMBLY (Group A)** | | | | |
| 50. | Churches (Protected) | | | | |
| 51. | Churches (Unprotected) | 1 | 520 | 520 | |
| 52. | Churches Roman Catholic (Protected) | | | | |
| 53. | Churches Roman Catholic (Unprotected) | 4 | 88,777 | 78,777 | 10,000 |
| 54. | Clubs and Lodge Rooms | 6 | 172,183 | 172,183 | |
| 55. | Community Halls | 3 | 31,500 | 17,000 | 14,500 |
| 56. | Dance Halls | 2 | 13,868 | 13,868 | |
| 57. | Rinks and Exhibition Buildings | 2 | 2,088 | 2,088 | |
| 58. | Schools & Colleges (non-resid.) | 2 | 2,347 | 2,347 | |
| 59. | Theatres | 2 | 170,136 | 170,136 | |
| 60. | Miscellaneous | | | | |
| | **COMMERCIAL (Group C)** | | | | |
| 61. | Blacksmith Shops | 1 | 2,074 | 2,074 | |
| 62. | Cold Storage and Refrigeration Plants | | | | |
| 63. | Henneries and Hatcheries | | | | |
| 64. | Laundries and Dry Cleaning | 4 | 157,883 | 157,883 | |
| 65. | Machine Shops | | | | |
| 66. | Office and Bank | 8 | 592,282 | 487,293 | 104,989 |
| 67. | Printing Establishments | | | | |
| 68. | Public Garages & Service Stations | 7 | 13,506 | 13,359 | 147 |
| 69. | Potato Warehouses | 13 | 262,179 | 229,711 | 32,468 |
| 70. | Restaurants and Dining Halls | 14 | 102,884 | 78,831 | 24,053 |
| 71. | Stores (Protected) | 14 | 420,007 | 374,161 | 45,846 |
| 72. | Store Warehouses (Protected) | | | | |
| 73. | Stores (Unprotected) | 7 | 127,161 | 117,161 | 10,000 |
| 74. | Store Warehouses (Unprotected) | | | | |
| 75. | Miscellaneous | 11 | 25,448 | 25,248 | 200 |
| | **MANUFACTURING (Group C)** | | | | |
| 76. | Factories (Protected) | 4 | 60,281 | 60,281 | |
| 77. | Factories (Unprotected) | 1 | 80,085 | 80,085 | |
| 78. | Grist Mills, Flour & Feed Mills | | | | |
| 79. | Paper Mills | | | | |
| 80. | Pulp Wood and Loose Pulp | | | | |
| 81. | Saw Mills | 5 | 34,340 | 18,140 | 16,200 |
| 82. | Woodworking Plants | 1 | 18,527 | 13,484 | 5,043 |
| 83. | Sawn Lumber | | | | |
| 84. | Seafood Packing Establishments | | | | |
| 85. | Warehouses | | 9,286 | 8,686 | 600 |
| 86. | Miscellaneous | 6 | 54,547 | 54,547 | |
| | **INSTITUTIONAL (Group B)** | | | | |
| 87. | Homes for Children and Old People | 4 | 355 | 355 | |
| 88. | Hospitals and Sanatoria | 6 | 2,100 | 2,100 | |
| 89. | Private Nursing & Convalescent Homes | | | | |
| 90. | Prisons, Gaols and Asylums | 1 | 876 | 876 | |
| 91. | Miscellaneous | | | | |
| | **RESIDENTIAL (Group D)** | | | | |
| 92. | Apartment and Rooming Houses | 100 | 360,972 | 291,745 | 69,227 |
| 93. | Dwellings (Protected) | 554 | 487,854 | 415,848 | 72,006 |
| 94. | Dwellings (Unprotected) | 359 | 801,334 | 562,631 | 238,703 |
| 95. | Dwellings - Farm | 2 | 809 | 809 | |
| 96. | Hotels | 1 | 731 | 731 | |
| 97. | Hunting Lodges and Camps | 7 | 13,994 | 10,556 | 3,438 |
| 98. | Mobile Homes, Trailers, etc. | 23 | 37,332 | 34,228 | 3,104 |
| 99. | Motels | 2 | 7,861 | 7,861 | |
| 100. | Residential Colleges, Schools, etc. | | | | |
| 101. | Summer Cottages, Tourist Camps | 33 | 85,491 | 62,665 | 22,826 |
| 102. | Miscellaneous | | | | |
| | **ACCESSORY (Group E)** | | | | |
| 103. | Barns | 32 | 173,933 | 94,525 | 79,408 |
| 104. | Detached Buildings and Sheds | 11 | 10,967 | 10,125 | 842 |
| 105. | Private Garages | 8 | 7,009 | 6,278 | 731 |
| 106. | Miscellaneous | | | | |
| | **MECHANICAL (not stored)** | | | | |
| 107. | Automotive | | | | |
| 108. | Machinery | | | | |
| 109. | Marine | | | | |
| | TOTALS | 1,261 | $4,433,527 | $3,679,196 | $ 754,331 |

## TABLE No. 4

### SUMMARY OF FIRE LOSSES BY MAJOR CAUSES AND OCCUPANCIES IN NEW BRUNSWICK DURING THE YEAR 1970

| ITEMS | ORIGINATING CAUSES | Assembly | Commercial | Garages | Manuf'g | Residential | Miscel. | Total |
|---|---|---|---|---|---|---|---|---|
| | | 50 - 60 | 61 - 75 | 68 | 76 - 86 | 87 - 102 | 103 - 109 | |
| 1-7 | Electrical | $418,208 | $ 802,853 | $ 3,264 | $ 29,558 | $ 461,973 | $ 27,000 | $1,742,856 |
| 8-9 | Lightning | 1,925 | 39 | | 939 | 66,946 | 4,856 | 74,705 |
| 10-13 | Forest & Grass Fires, etc. | 1,695 | 313,734 | 1,050 | | 119,275 | 23,864 | 459,618 |
| 14-16 | Explosions | | | | | 4,776 | | 4,776 |
| 17 | Chimneys, Flues, Pipes, etc. | | 14,000 | | 3,938 | 73,366 | 62 | 91,366 |
| 18-27 | Heating Equipment & Installations | 30,731 | 91,024 | 441 | 80,085 | 250,682 | 844 | 453,807 |
| 26 | Sparks on Roofs | | | | | 968 | | 968 |
| 28-29 | Incendiarism | | 428 | | | 44,168 | 18,000 | 62,596 |
| 30 | Hot Ashes, Coals, Rubbish | | 394 | | 302 | 8,833 | 1,281 | 10,810 |
| 31-34 | Hot Grease, Oil, Metal, etc. | | 44,782 | | 115 | 77,014 | | 121,911 |
| 35 | Spontaneous Ignition | | 2,919 | | 18,527 | 38,279 | 20,686 | 80,411 |
| 36-46 | Petroleum Products | | 676 | | 31,286 | 8,685 | 4,567 | 45,214 |
| 42 | Open Lights, Candles, etc. | | | | | 1,571 | | 1,571 |
| 47-50 | Smoking and Matches | 7,093 | 35,648 | 7,604 | 27,372 | 104,076 | 6,540 | 188,333 |
| 51-52 | Unknown | 15,000 | 383,421 | 1,147 | 64,944 | 548,455 | 56,809 | 1,038,661 |
| 53 | Miscellaneous | | | | | | 400 | 400 |
| 54 | Mischievous Acts of Children | 6,767 | | | | 10,642 | 7,000 | 24,409 |
| | TOTAL | $481,419 | $1,689,918 | $13,506 | $257,066 | $1,799,709 | $191,909 | $4,433,527 |

## TABLE No. 5

### SUMMARY OF FIRES IN NEW BRUNSWICK FOR YEARS 1968, 1969, 1970

| Month | 1968 | | | | 1969 | | | | 1970 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | No. Fires | Property Loss | Insurance Loss | Loss not Covered by Insurance | No. Fires | Property Loss | Insurance Loss | Loss not Covered by Insurance | No. Fires | Property Loss | Insurance Loss | Loss not Covered by Insurance |
| January | 100 | $ 199,477 | $ 169,028 | $ 30,449 | 146 | $ 301,443 | $ 281,506 | $ 19,937 | 76 | $ 144,619 | $ 112,588 | $ 32,031 |
| February | 113 | 497,425 | 426,315 | 71,110 | 108 | 242,571 | 216,060 | 26,511 | 120 | 451,961 | 364,880 | 87,081 |
| March | 122 | 410,640 | 331,379 | 79,261 | 106 | 266,494 | 226,318 | 40,176 | 147 | 236,180 | 199,284 | 36,896 |
| April | 101 | 1,495,775 | 1,316,666 | 179,109 | 103 | 564,763 | 476,059 | 88,704 | 108 | 343 088 | 299,260 | 43,828 |
| May | 92 | 256,265 | 192,240 | 64,025 | 95 | 238,273 | 177,642 | 60,631 | 114 | 744,306 | 599,410 | 144,896 |
| June | 96 | 163,376 | 138,089 | 25,287 | 76 | 220,278 | 193,791 | 26,487 | 97 | 844,590 | 708,614 | 135,976 |
| July | 79 | 362,621 | 268,718 | 93,903 | 108 | 111,278 | 101,059 | 10,219 | 114 | 252,055 | 198,058 | 53,997 |
| August | 130 | 237,440 | 190,290 | 47,150 | 93 | 168,151 | 131,855 | 36,296 | 93 | 156,007 | 113,657 | 42,350 |
| September | 87 | 173,608 | 143,594 | 30,014 | 75 | 300,308 | 254,308 | 45,820 | 93 | 252,094 | 175,778 | 76,316 |
| October | 99 | 188,456 | 132,676 | 55,780 | 99 | 663,189 | 596,439 | 66,750 | 94 | 242,451 | 211,585 | 30,866 |
| November | 99 | 241,887 | 195,964 | 45,923 | 143 | 396,724 | 287,363 | 109,361 | 100 | 509,329 | 463,774 | 45,555 |
| December | 103 | 104,691 | 75,464 | 29,227 | 128 | 679,947 | 584,494 | 95,453 | 105 | 256,847 | 232,308 | 24,539 |
| TOTALS | 1,221 | $4,331,661 | $3,580,423 | $751,238 | 1,280 | $4,153,419 | $3,527,074 | $626,345 | 1,261 | $4,433,527 | $3,679,196 | $754,331 |

## TABLE No. 6

### COMPARATIVE LOSSES IN MUNICIPALITIES, 1970

| MUNICIPALITY | Estimated Population (1966 Census) | Property Loss 1970 | Loss Per Capita 1970 |
|---|---|---|---|
| Bathurst | 15,256 | $ 38,328 | $ 2.51 |
| Campbellton | 10,175 | 182,811 | 17.96 |
| Caraquet | 3,047 | — | — |
| Chatham | 8,136 | 44,679 | 5.49 |
| Dalhousie | 6,107 | 28,934 | 4.74 |
| Dieppe | 4,832 | 10,191 | 2.11 |
| Edmundston | 12,517 | 13,431 | 1.07 |
| Fredericton | 22,460 | 855,260 | 38.08 |
| Grand Falls | 4,152 | 40,629 | 9.79 |
| Hartland | 1,034 | 4,847 | 4.69 |
| Marysville | 3,572 | 13,480 | 3.77 |
| Milltown | 1,952 | 14,108 | 7.23 |
| Moncton | 45,847 | 112,034 | 2.44 |
| Newcastle | 5,911 | 34,629 | 5.86 |
| Oromocto | 14,112 | 5,645 | .40 |
| Rothesay | 893 | 13,530 | 15.15 |
| Saint John | 102,000 | 386,223 | 3.79 |
| Sackville | 3,186 | 3,837 | 1.20 |
| St. Andrews | 1,719 | 707 | .41 |
| St. Stephen | 3,285 | 3,241 | .99 |
| St. George | 1,104 | — | — |
| St. Leonard | 1,635 | 33,526 | 20.51 |
| Shediac | 2,134 | 5,291 | 2.48 |
| Shippegan | 1,744 | 111,914 | 64.17 |
| Sussex | 3,607 | 57,890 | 16.05 |
| Tracadie | 2,018 | 15,530 | 7.70 |
| Woodstock | 4,442 | 24,994 | 5.63 |

### COMPARATIVE LOSSES

| | Estimated Population | Property Loss 1970 | Loss Per Capita 1970 | Loss 1969 |
|---|---|---|---|---|
| Six N.B. Cities | 208,255 | $1,588,087 | $7.63 | $1,835,188 |
| Twenty-One N.B. Towns | 78,622 | 467,602 | 5.95 | 655,964 |
| Rural (Includes Villages See Table No. 1) | 330,896 | 2,377,838 | 7.19 | 1,662,267 |
| Provincial Per Capita Loss | 617,773 | 4,433,527 | 7.18 | 4,153,419 |

## TABLE No. 7

### FIRE LOSSES IN NEW BRUNSWICK FOR TEN YEARS, 1961-1970 INCLUSIVE

| Year | No. Fires | Property Loss | Insurance Loss |
|---|---|---|---|
| 1961 | 2,081 | $ 3,667,612 | $ 2,697,583 |
| 1962 | 1,972 | 3,155,172 | 2,602,926 |
| 1963 | 1,637 | 4,529,053 | 3,657,002 |
| 1964 | 1,750 | 4,285,010 | 3,309,852 |
| 1965 | 1,747 | 3,766,380 | 3,052,958 |
| 1966 | 1,409 | 5,914,333 | 5,061,739 |
| 1967 | 1,193 | 3,476,562 | 2,627,141 |
| 1968 | 1,221 | 4,331,661 | 3,580,423 |
| 1969 | 1,280 | 4,153,419 | 3,527,074 |
| 1970 | 1,261 | 4,433,527 | 3,679,196 |
| | 15,551 | $41,702,729 | $33,857,894 |

## TABLE No. 8

### CHIEF FIRES FOR THE YEAR 1970 — $20,000 AND OVER

| DATE | OCCUPANCY | LOCATION | Property Loss | Insured Loss | Presumed Cause |
|---|---|---|---|---|---|
| May 17/69 | R. C. Church National Monument | Rogersville, N.B. | $ 85,000 | $ 75,000 | Defective Electrical Wiring |
| Nov. 20/69 | Golf Club & Exposures | Edmundston, Madawaska Co., N.B. | 155,377 | 155,377 | Faulty Electrical Wiring |
| Dec. 25/69 | Storage Building | Centreville, Carleton Co., N.B. | 45,546 | 45,546 | Unknown |
| Dec. 25/69 | Office Building & Exposures | Hanwell Road, York Co., N.B. | 412,795 | 328,795 | Faulty Electrical Wiring |
| Jan. 4/70 | Private Dwelling | Haggarty's Cove, Charlotte Co., N.B. | 27,000 | 27,000 | Unknown |
| Jan. 20/70 | Unprotected Mercantile Store & Exposures | Lincoln, Sunbury Co., N.B. | 25,000 | 17,000 | Unknown |
| Feb. 2/70 | Apartment Building & Exposures | Saint John, St. John Co., N.B. | 20,531 | 20,531 | Faulty Oil Burning Equipment |
| Feb. 4/70 | Apartment Building | Fredericton, York Co., N.B. | 25,866 | 25,252 | Unknown |
| Feb. 14/70 | Potato House | Drummond, Victoria Co., N.B. | 54,716 | 49,716 | Faulty Electrical Wiring |
| Feb. 21/70 | Apartment House & Exposures | Saint John, St. John Co., N.B. | 43,327 | 13,300 | Faulty Electrical Wiring |
| Feb. 21/70 | Apartment House & Exposures | Saint John, St. John Co., N.B. | 36,909 | 23,917 | Unknown |
| Feb. 28/70 | Private Dwelling | McDougall Settlement, Westmorland Co., N.B. | 30,820 | 14,000 | Unknown |
| Mar. 25/70 | Unprotected Mercantile Store | Chipman, Queens Co., N.B. | 22,388 | 20,388 | Faulty Operation of Oil Furnace |
| Apr. 1/70 | Mercantile Store | Fredericton, York Co., N.B. | 68,536 | 68,536 | Faulty Electrical Wiring |
| Apr. 4/70 | Mercantile Store & Exposures | Fredericton, York Co., N.B. | 70,776 | 70,776 | Unknown |
| Apr. 6/70 | Retail Outlet | Bristol, Carleton Co., N.B. | 46,865 | 46,865 | Unknown |
| Apr. 18/70 | Protected Factory | Fredericton, York Co., N.B. | 27,372 | 27,372 | Cigarette |
| Apr. 21/70 | Potato House | Upper Kent, Carleton Co., N.B. | 36,862 | 36,862 | Unknown |
| May 2/70 | Summer Residence | Dutch Point, Gloucester Co., N.B. | 27,500 | 17,500 | Grass Fire |
| May 22/70 | Offices and Apartments | Fredericton, York Co., N.B. | 44,398 | 35,584 | Unknown |
| May 22/70 | Retail Protected Store, Apartments & Exposures | Fredericton, York Co., N.B. | 302,093 | 245,246 | Unknown |

## TABLE No. 8 — (Continued)

### CHIEF FIRES FOR THE YEAR 1970 — $20,000 AND OVER

| DATE | OCCUPANCY | LOCATION | Property Loss | Insured Loss | Presumed Cause |
|---|---|---|---|---|---|
| May 24/70 | Apartment House & Exposures | Saint John, St. John Co., N.B. | 24,305 | 10,305 | Unknown |
| May 9/70 | Potato House & Farm Equipment | Sommerville, Carleton Co., N.B. | 46,983 | 39,115 | Unknown |
| May 17/70 | Private Dwelling | St. Leonard, R.R. 1, Mad. Co., N.B. | 20,268 | 10,000 | Faulty Operation of Deep Freeze Cooler |
| May 28/70 | Laundry, Drycleaning Establishment | Fredericton, York Co., N.B. | 157,371 | 157,371 | Electrical Malfunction |
| June 10/70 | Private Dwelling | St. Basile, Madawaska Co., N.B. | 22,264 | 8,000 | Spontaneous Combustion |
| June 15/70 | Unprotected Mercantile Store | Acadiaville, Kent Co., N.B. | 31,991 | 31,991 | Electrical Malfunction |
| July 24/70 | Planing Mill | Rowena, Victoria Co., N.B. | 22,000 | 9,000 | Diesel Motor Backfiring |
| Sept. 1/70 | Potato House & Exposures | New Denmark, Victoria Co., N.B. | 35,000 | 22,000 | Faulty Operation of Electric Saw |
| Sept. 6/70 | Apartment House | Newcastle Centre, Queens Co., N.B. | 30,000 | 10,000 | Faulty Operation of Oil Furnace |
| Sept. 25/70 | Take-Out Restaurant | Fredericton, York Co., N.B. | 28,000 | 15,000 | Hot Grease |
| Oct. 2/70 | Take-Out Restaurant | Moncton, Westmorland Co., N.B. | 23,369 | 22,844 | Electrical Malfunction in Fryer |
| Oct. 3/70 | Theatre | Campbellton, Restigouche Co., N.B. | 167,075 | 167,075 | Short Circuit in Electric Fan |
| Oct. 23/70 | Dairy Barn | Val Doucet, Gloucester Co., N.B. | 20,000 | 5,000 | Unknown |
| Oct. 30/70 | Apartment House & Exposures | Fredericton, York Co., N.B. | 35,608 | 35,608 | Unknown |
| Oct. 31/70 | Apartment House & Exposures | Sussex, Kings Co., N.B. | 36,712 | 33,512 | Vandals |
| Nov. 3/70 | Peat Moss Plant | Shippegan, Gloucester Co., N.B. | 80,085 | 80,085 | Sparks ignited conveyor belt |
| Nov. 23/70 | Supermarket and Dwelling | Centreville, Carleton Co., N.B. | 48,607 | 39,000 | Malfunction of Oil Furnace |
| Dec. 4/70 | Potato House & Exposures | Drummond Siding, Victoria Co., N.B. | 27,392 | 27,392 | Faulty Electrical Wiring |
| Dec. 4/70 | Potato House & Exposures | Gillespie Settlement, Victoria Co., N.B. | 21,339 | 19,339 | Faulty Electrical Wiring |

## TABLE No. 9

Number of Petty Losses, cigarette scorches, etc. occasioning damage to furniture, clothing and personal effects of $25.00 or less.

| No. Fires | Property Loss | Insurance Loss |
|---|---|---|
| 128 | $2,269 | $2,269 |

## TABLE No. 10

### STATEMENT OF FATALITIES
### 1970

| ORIGINATING CAUSE | Men | Women | Children | Total |
|---|---|---|---|---|
| Over-heated wood-burning stove | 1 | 2 | 1 | 4 |
| Smoking in Bed | 3 | 1 | | 4 |
| Unknown | | | 2 | 2 |
| Unknown (Child left alone by parent) | | | 1 | 1 |
| Faulty Electrical Wiring (Children left alone by parents) | 1 | | 3 | 4 |
| Using gasoline to bolster wood-burning stove | 1 | 1 | 2 | 4 |
| Children Playing with Fire | | | 2 | 2 |
| Malfunction in Oil Burning Stove | 1 | | | 1 |
| Malfunction in Oil Burning Stove (Children left alone by parents) | | | 1 | 1 |
| Careless Smoking | 2 | | | 2 |
| Cooking Oil Ignited on Electric Stove during power interruption | | 1 | | 1 |
| TOTALS | 9 | 5 | 12 | 26 |

### STATEMENT OF INJURED — 1970

| ORIGINATING CAUSE | Men | Women | Children | Total |
|---|---|---|---|---|
| Gasoline fumes ignited while playing near fill pipe of abandoned underground gasoline tank | | | 1 | 1 |
| Faulty Handling of Petroleum Products | 1 | | | 1 |
| Using Gasoline to ignite wood-burning stove | 1 | | | 1 |
| Children Playing with Matches | | 1 | 1 | 2 |
| Careless Smoking | 1 | 1 | | 2 |
| Cooking Oil Ignited on Electric Stove During Power Interruption | 2 | 2 | 1 | 5 |
| Unknown (Children left alone by parent) | | | 2 | 2 |
| TOTALS | 5 | 4 | 5 | 14 |

## TABLE No. 11

## REPORT OF INSPECTIONS MADE BY FIRE MARSHAL'S STAFF — 1970

| COUNTY | Inspections | Re-Inspections | Conditions Remedied | Investigations | Fire Marshal's Orders Served | Organization Meetings and Lectures |
|---|---|---|---|---|---|---|
| ALBERT | 46 | 17 | 17 | 15 | — | 4 |
| CHARLOTTE | 50 | 40 | 40 | 10 | — | 6 |
| CARLETON | 70 | 56 | 48 | 18 | 1 | 4 |
| GLOUCESTER | 84 | 66 | 66 | 10 | 1 | 4 |
| KENT | 48 | 32 | 30 | 10 | — | — |
| KINGS | 28 | 14 | 14 | 6 | — | 12 |
| MADAWASKA | 38 | 24 | 24 | 20 | 2 | 6 |
| NORTHUMBERLAND | 66 | 66 | 66 | 10 | — | 4 |
| QUEENS | 60 | 49 | 31 | 16 | 4 | 2 |
| RESTIGOUCHE | 76 | 76 | 76 | 10 | 4 | 6 |
| SUNBURY | 49 | 37 | 28 | 15 | 1 | 3 |
| SAINT JOHN | 50 | 40 | 40 | 14 | — | 20 |
| VICTORIA | 30 | 20 | 20 | 15 | — | 6 |
| WESTMORLAND | 190 | 90 | 90 | 40 | 6 | 12 |
| YORK | 120 | 98 | 83 | 27 | 4 | 6 |
| TOTALS | 1,005 | 725 | 673 | 234 | 23 | 73 |

## PROSECUTIONS ENTERED DURING YEAR
### CRIMINAL CODE

| | |
|---|---|
| Charged | 20 |
| Convicted | 12 |
| Dismissed (withdrawn) | 3 |
| Pending | 5 |

### FIRE PREVENTION ACT

| | |
|---|---|
| Charged | 7 |
| Convicted | 7 |
| Fireworks Control Act (Charged and Convicted) | Nil |

## INSPECTION OF PUBLIC BUILDINGS, FIRE PREVENTION EDUCATION ACTIVITIES AND LIGHTNING ROD ACT ENFORCEMENT

| | |
|---|---|
| Hospital Inspections | 20 |
| Plans of Buildings Examined | 145 |
| Schools Inspected | 50 |
| Theatres Inspected | 25 |
| Dance Halls Inspected | 40 |
| Nursing and Homes for Aged Inspected | 70 |
| Boarding Home for Children Including Adachild | 560 |
| Hotels and Motels Inspected | 20 |
| Churches Inspected | 4 |
| Licensed Liquor Premises Inspected (includes re-inspections) | 35 |
| Fire Prevention Lectures — Schools and Public | 80 |
| Travelling Training School Sessions | 20 |
| No. of Firemen attending Travelling Training School Sessions | 500 |
| Baby Sitting Courses Conducted | 11 |
| Number of Students Receiving Baby Sitting Certificates | 525 |
| Number of Film Showings | 800 |

Recap. of Film Showings — Schools — 100
Hospitals — 100
Other — 600
800

| | |
|---|---|
| Number of persons in attendance at Lectures, etc. | 20,000 |
| Literature Distributed | 200,000 |
| Civil Defence Lectures and Meetings | Nil |
| Lightning Rod Inspections (1969-70 installations) | 200 |
| Micellaneous Inquiries and Requests | 30,000 |
| Lightning Rod Licenses Issued | 10 |
| Fire Extinguisher Salesman Licenses Issued | 50 |
| Coroners' Inquests involving Fire Deaths | 3 |
| Fire Department Equipment Surveys | 18 |
| Fireworks Control Act Permits Issued | 14 |

## FIRE PROTECTION INCREASES

| | |
|---|---|
| Rural Districts Organized | 3 |
| New Fire Departments Organized | 3 |
| New Pumpers and Vehicles placed in action | 10 |
| New Alarm Systems Installed (Public and Private) | 30 |
| New Fire Halls Opened | 3 |